

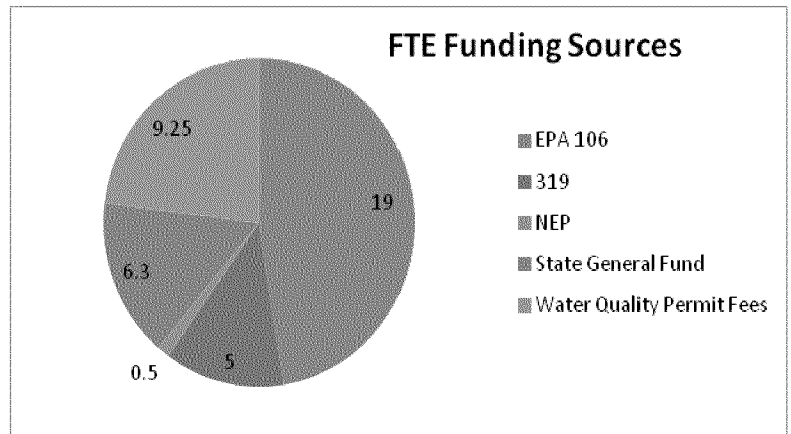
## Washington TMDL Program - January 2014

### Department of Ecology Staffing & Resources

- Ecology has 40 FTE spread among the HQ office in Lacey, 4 Regional offices and \_\_\_ field offices.
- State funds support 15.5 FTE; Federal funds support 24.5 FTE.

### Future Direction of TMDL Program

- Expanding TMDL non-point source information to include
  - Land uses & BMPs
- More toxics TMDLs



### Issues Driving Program

- Treaty Rights at Risk: request from treaty tribes that federal agencies be more proactive in protecting and restoring declining salmon habitat
- 29 Federally Recognized Tribal Governments
- 7 Tribal governments have approved water quality standards; many other tribes are actively involved in TMDL development.
- (HELEN – maybe include “drivers” on the other side here? Legislative pressures...Ag interests...)

### Noteworthy TMDLs currently under development

Project	Pollutants	Estimated completion date	
Soos Creek	Temperature, DO, biocriteria	2015	<ul style="list-style-type: none"> <li>• Biocriteria impairments for Soos Creek are expected to appear on 2014 list</li> <li>• BIBI targets tied to stormwater surrogate (current approach)</li> <li>• Stormwater “pilot” identified in MOA.</li> </ul>
Lake Whatcom	TP, DO & bacteria	2014	<ul style="list-style-type: none"> <li>• Lake Whatcom is the drinking water source for 50% of Whatcom County (100,000)</li> <li>• HSPF model links land use to Phosphorus loading</li> <li>• Natural Condition standard for DO; HSPF used to determine natural condition: “mixed forest conditions”</li> <li>• “87 percent of the current development around the lake needs to be able to store and filter stormwater like a forest”</li> </ul>
SF Nooksack Temperature (Climate Change pilot)		2014	<ul style="list-style-type: none"> <li>• Nooksack Tribe &amp; Lummi Nation</li> <li>• ORD: working with UW Climate Impacts Group to downsize global climate change model predictions</li> <li>• ORD: Tim Beechie’s (NMFS) work on adapting habitat restoration plans to accommodate climate change used for implementation plan</li> </ul>
Clarks Creek	DO, sediment	2014	<ul style="list-style-type: none"> <li>• Puyallup Tribe</li> <li>• Stormwater flow reduction/treatment implementation targets</li> <li>• Green infrastructure, implementation plan with specific projects with quantitative stormwater reductions</li> </ul>
Duwamish	>60 pollutants including PCBs, dioxins.	??	<ul style="list-style-type: none"> <li>• CERCLA/CWA Integration Project</li> <li>• CERCLA sediment cleanup will cost over 300,000,000</li> <li>• EJ community, Tribal U &amp; A waters</li> <li>• Source Control</li> </ul>
Puget Sound	DO?		<ul style="list-style-type: none"> <li>•</li> </ul>
			<ul style="list-style-type: none"> <li>•</li> </ul>

